

## Message Text

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53

ACTION DOTE-00

INFO OCT-01 EA-09 ISO-00 EB-07 CIAE-00 INR-07 NSAE-00

COME-00 EPA-04 PA-02 PRS-01 USIA-15 /046 W

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R 060910Z FEB 76

FM AMEMBASSY TOKYO

TO SECSTATE WASHDC 6741

UNCLAS TOKYO 1880

DEPT PASS TO DEPARTMENT OF TRANSPORTATION

E.O. 11652: N/A

TAGS: TECH, ETRN, JA

SUBJECT: CVS (COMPUTER CONTROLLED VEHICLE SYSTEM)

1. THREE COMPUTER CONTROLLED TEST VEHICLES RAN ABOUT 250 METERS AT ONE-SECOND HEADWAY AT 60 KM/H ON 2-KM CIRCULAR GUIDEWAY IN A TEST CONDUCTED ON JANUARY 30 AT HIGASHIMURAYAMA ABOUT 30 KM WEST OF TOKYO.

2. CVS IS JAPANDSE VERSION OF PRT (PERSONAL RAPID TRANSIT). PROJECT UNDERTAKEN SINCE 1970 BY MACHINERY DEVELOPMENT ASSOCIATION WITH SUPPORT OF MITI. A TOTAL OF 83 TEST VEHICLES AND 5-KM TEST GUIDEWAY HAVE BEEN USED IN \$10 MILLION PROJECT WHICH WILL BE TERMINATED AT END OF CURRENT FISCAL YEAR.

3. THREE UNIVERSITY SCIENTISTS (PROF. ISHII, PROF. IGUCHI AND ASSOCIATE PROF. KOSHI OF TOKYO UNIVERSITY) HAVE LED THE PROJECT IN WHICH EIGHT MAJOR FIRMS HAVE TAKEN PART.

4. ACHIEVEMENT OF ONE-SECOND HEADWAY MEANS, THEORETICALLY, 14,000 PASSENGERS CAN BE TRANSPORTED PER HOUR PER GUIDEWAY USING FOUR-PASSENGER VEHICLE 3 METERS LONG AND 1.6 METERS WIDE.

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5. JAPANESE PAPER QUOTED HOWARD ROSS, CONSULTANT

TO US DOT, AS SAYING: "CVS SUCCESS INDICATES JAPAN  
IS MORE THAN FOUR YEARS AHEAD OF US IN PRT  
TECHNOLOGY AND THAT IT WILL BRING GREAT BENEFIT TO  
OUR SOCIETY."

6. TEST CONDUCTED ON PART OF TEST COURSE. THREE  
TEST VEHICLES RAN ABOUT 150 METERS AT HEADWAY OF  
TWO SECONDS AT 55 KM/H. SPEED THEN INCREASED TO  
60 KM AND UPON RECEIVING COMPUTER COMMAND VEHICLES  
RAN 250 METERS AT HEADWAY OF ONE SECOND. DISTANCE  
BETWEEN VEHICLES RUNNING AT ONE-SECOND HEADWAY WAS  
13 METERS. THERE WAS NO NEED FOR USE OF EMERGENCY  
BRAKE, CAPABLE OF BRINGING VEHICLE TO COMPLETE HALT  
WITHIN 8 METERS TRAVEL.  
HODGSON

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** RESEARCH, PASSENGER TRANSPORTATION, GROUND VEHICLES  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 06 FEB 1976  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
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**Disposition Approved on Date:**  
**Disposition Authority:** n/a  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
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**TAGS:** TECH, ETRN, JA  
**To:** STATE  
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